

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : NICHIA CHEM IND LTD

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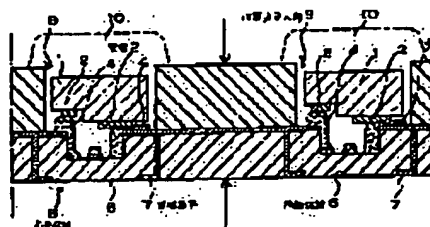
(72)Inventor : SHIMIZU YOSHINORI

## (54) LED ELEMENT AND MANUFACTURE OF IT

### (57)Abstract:

**PURPOSE:** To mass-produce products cheaply and efficiently by arranging LED chips regularly and fixing them to a supporting member precisely, and fixing small LED chips to the supporting member preventing electrode terminals from being short-circuited.

**CONSTITUTION:** An LED element has LED chips 1 each having a pair of electrodes 2 on the same surface, and a supporting member 5 to which a plurality of LED chips 1 are fixed by a fixed arrangement. The supporting member 5 fixes a pair of electrode terminals 7 to an insulating member 6. Besides, the supporting member 5 has a plurality of positioning inserting parts 8 for arranging and positioning the LED chips 1 to specified positions by inserting. The LED chips 1 are inserted into the positioning inserting parts 8, and the electrodes 2 are connected to the electrode terminals 7.



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